

Amendments to Claims

Claims 10-31 have been withdrawn from consideration.

- AS
1. (currently amended) A method for identification of non-immunoglobulin peptides having an affinity for the surface of **fungi a fungus** comprising:
- (a) constructing a library of peptides by,
    - (i) preparing random oligonucleotides;
    - (ii) inserting said oligonucleotides into an appropriate vector that expresses peptides encoded by said random oligonucleotides on its surface and is capable of transfecting a host cell;
    - (iii) transfecting an appropriate host cell with said vector to amplify said vector in an infectious form to create a library of peptides on the surface of said vector;
  - (b) contacting said vector expressing said peptide library with a target fungus and removing unbound vector;
  - (c) eluting bound vector from said **fungi fungus**;
  - (d) amplifying said bound vector;
  - (e) sequencing the oligonucleotides contained in said eluted vector;
  - (f) deducing the amino acid sequence of peptides encoded by said oligonucleotides contained in said eluted vector; and
  - (g) selecting the non-immunoglobulin peptides.

2. (original) The method of claim 1, further comprising repeating steps (b) through (d) at least once.

3. (original) The method of claim 1, wherein said vector is a fusion phage vector.

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4. (original) The method of claim 1, wherein said vector is a fusion phage vector selected from the group consisting of type 8, type 88, type 8+8, type 3, type 33, type 3+3, type 6, type 66, type 6+6, phage T7 and phage 8.

5. (original) The method of claim 1, wherein the sequence of said random oligonucleotide is GCA GNN (NNN)<sub>7</sub> or SEQ ID NO: 1.

6. (original) The method of claim 1, wherein said peptide is expressed as part of a coat protein of said vector.

7. (original) The method of claim 6, wherein said coat protein is a pIII or a pVIII coat protein.

8. (currently amended) The method of claim 1, further comprising **estimating determining** the binding affinity of said peptides to said target fungus.

9. (currently amended) The method of claim 1, wherein each of said peptides **contain are of the same length, the length being** 6 to 15 amino acids.

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